

ABSTRACT

A memory management system, method and computer readable medium for use in a circuit pack or circuit card such as in a node in an optical network are described. The memory management system includes memory that provides persistent storage over a reboot and a memory manager for directly controlling access to the reboot persistent memory. The memory manager processes requests received from one or more applications executing on the circuit card for storage of a set of data. The request indicates during which type of reboot, cold or warm, the data is to be received and may also indicate a particular state during a reboot in which the data is to be received. The manager responds to a reboot of the circuit card by providing a set of data from the reboot persistent memory to the application during the reboot.